

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 AND MD 213 IN CECIL COUNTY. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

THIS MODIFICATION IS NECESSITATED BY LANE USE MODIFICATIONS ON THE SOUTH APPROACH OF MD 213 TO INCLUDE A DOUBLE LEFT TURN AND A THROUGH LANE. WORK WILL CONSIST OF THE REPLACEMENT OF DETECTORS, CONDUIT, AND ASSOCIATED WIRING.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME. INSTALL FOUR-4 FOUR CHANNEL LOOP DETECTOR AMPLIFIERS AND RETROFIT DETECTOR RACK INTO THE EXISTING BASE MOUNTED CABINET (SHA SHOP TO MAKE CONNECTION).

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
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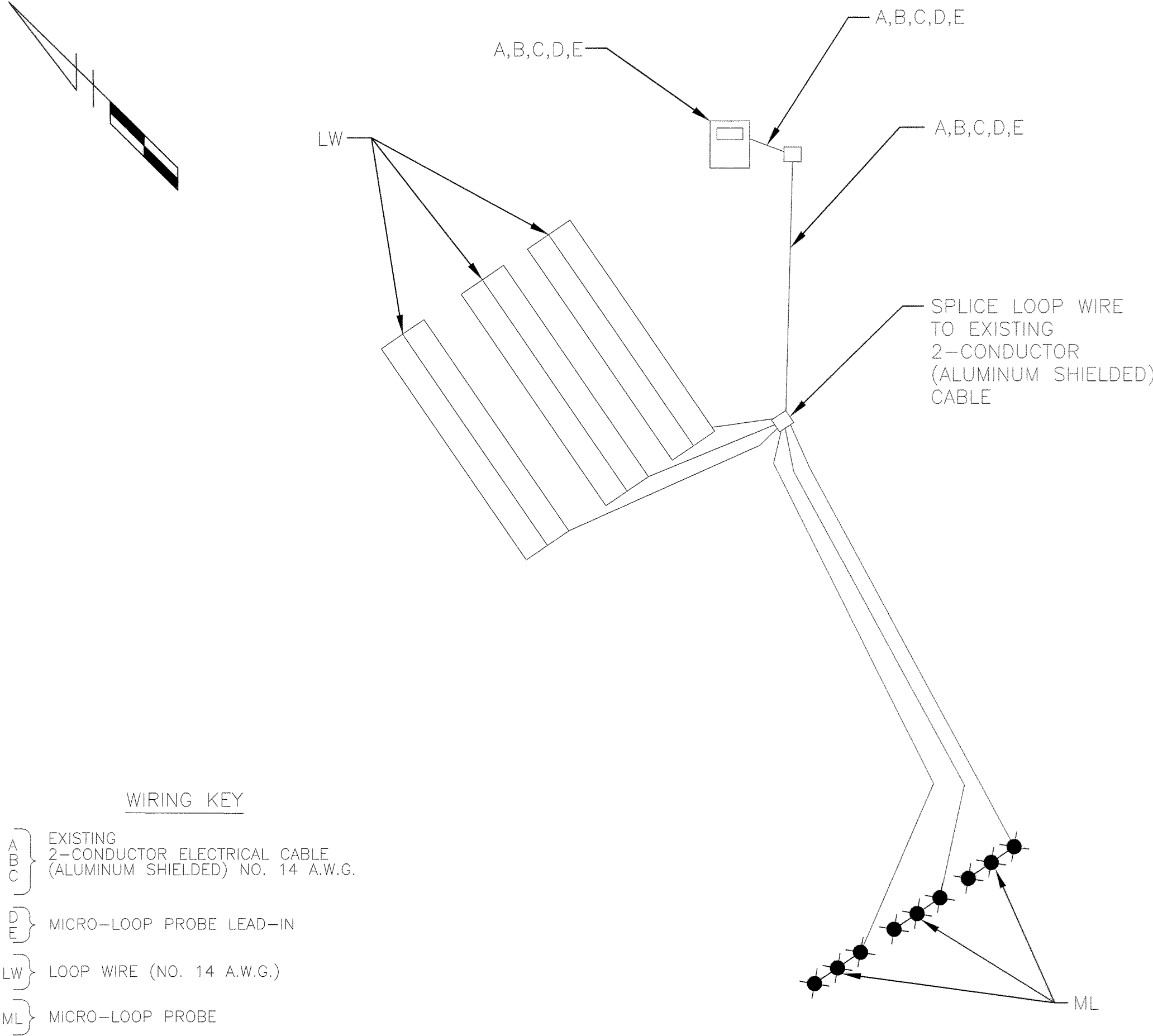
EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

* ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
5004	35 L.F.	24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
8016	3 EACH	FURNISH AND INSTALL MICROLOOP PROBE WITH 500 FT. LEAD-IN
8021	550 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	40 L.F.	FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8040	1320 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
8054	8 S.F.	INSTALL OVERHEAD SIGNS
---	4 EACH	DETECTOR AMPLIFIER 4-CHANNEL RACK MOUNT
---	8 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH R3-SL SIGN (30 IN. X 36 IN.) - SPAN WIRE MOUNT
---	1 EACH	SHA STD. RETROFIT DETECTOR RACK

* - ITEM NUMBERS CORRESPOND TO MSHA AREA WIDE CONTRACT

WIRING DIAGRAM



WIRING KEY

- EXISTING 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED) NO. 14 A.W.G.
- MICRO-LOOP PROBE LEAD-IN
- LOOP WIRE (NO. 14 A.W.G.)
- MICRO-LOOP PROBE

TRAFFIC CONCEPTS, INC.

Brightview Business Center
8258 Veterans Highway
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Millersville, MD 21108
(410) 987-0427

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
	CHIEF, TRAFFIC ENGINEERING DESIGN DIV.	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET
US 40 AND MD 213

DATE: 1-21-98	DRAWN BY: T. ZAYDEL	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
SCALE: NONE	DESIGNED BY: T. ZAYDEL	S.H.A. NO.	IS-272E GL	2 OF 2
APPROVED BY:	CHECKED BY: K. SCHMID	COUNTY: CECIL		